```vb
' Excel Visual Basic code for Teckmo Devices
' Last updated Feb 22, 2001
' For the most recent updates and product information please check our website
' Zaber Technologies Inc - www.zaber.com

' Note that the code below is identical to the Visual Basic Demo code in every way
' (ie it was simply cut and pasted from MS Visual Basic) except for the addition
' of the UserForm_Initialize() subroutine (see this routine below for more details)

' global variables

Dim iCommand(1 To 6) As Byte          ' 6 byte command to send

Private Sub cmdOpenCom_Click()
    ' the "open com port and renumber" button was clicked
    If objCommPort1.PortOpen = True Then
        MsgBox "The Com port is already open"
    Else
        With objCommPort1
            ' Set com port number based on user selection
            If optCom1.Value = True Then
                .CommPort = 1
            Else
                .CommPort = 2
            End If

            ' try to open the port
            .PortOpen = True
            ' settings for Teckmo communications
            .Handshaking = comNone
            .Settings = "4800,N,8,1"
            .InputMode = comInputModeText
            .InputLen = 1
            .RThreshold = 1
            .DTREnable = True
            .RTSEnable = True
            .DTREnable = False
            .RTSEnable = False

        End With

        ' renumber all units
        'objCommPort1.Output = Chr$(0) + Chr$(2) + Chr$(0) + Chr$(0) + Chr$(0) + Chr$(0)
        ' wait while renumbering
        Call Delay(2.5)
    End If
End Sub

Private Sub cmdExecuteSheet_Click()
    ' execute all commands on the sheet in sequence starting at top left
    ' commands must be preceded by 'ZT' in a cell by itself
    If (objCommPort1.PortOpen = False) Then
        MsgBox "The Com port is not open"
    Else
        Range("A1").Select
        ' find first command
        Cells.Find(What:="ZT", After:=ActiveCell, LookIn:=xlValues, LookAt:= _
```

```vb
    ' then close the port
    If objCommPort1.PortOpen = False Then
        MsgBox "The Com port is already closed"
    Else
        objCommPort1.PortOpen = False
    End If
End Sub


Private Sub optCom1_Click()

End Sub

Private Sub Worksheet_Deactivate()
    ' close the com port when the worksheet is deactivated
    ' so that the com port will be available for access by
    ' VB code in other worksheets
    If (objCommPort1.PortOpen = True) Then
        Call cmdCloseCom_Click
    End If
End Sub

Private Sub Delay(d)
    ' wait for d seconds
    t = Timer
    While (Timer - t) < d
    Wend
End Sub

Private Sub objCommPort1_OnComm()
    'just remove any bytes received by the com port
    temp = objCommPort1.Input
End Sub

Sub Position_to_bytes(Position As Double)
    ' convert the user input data into 4 data bytes to send
    If Position >= 0 Then
        'positive value entered by user
        iCommand(6) = Int(Position / (256# * 256# * 256#))
        Position = Position - 256# * 256# * 256# * iCommand(6)
        iCommand(5) = Int(Position / (256# * 256#))
        Position = Position - 256# * 256# * iCommand(5)
        iCommand(4) = Int(Position / 256#)
        Position = Position - 256# * iCommand(4)
        iCommand(3) = Int(Position)
    Else
        'negative value entered by user
        Position = -Position - 1
        iCommand(6) = Int(Position / (256# * 256# * 256#))
        Position = Position - 256# * 256# * 256# * iCommand(6)
        iCommand(5) = Int(Position / (256# * 256#))
        Position = Position - 256# * 256# * iCommand(5)
        iCommand(4) = Int(Position / 256#)
        Position = Position - 256# * iCommand(4)
        iCommand(3) = Int(Position)
        iCommand(6) = 255 - iCommand(6)
        iCommand(5) = 255 - iCommand(5)
        iCommand(4) = 255 - iCommand(4)
```

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        iCommand(3) = 255 - iCommand(3)
    End If
End Sub
```
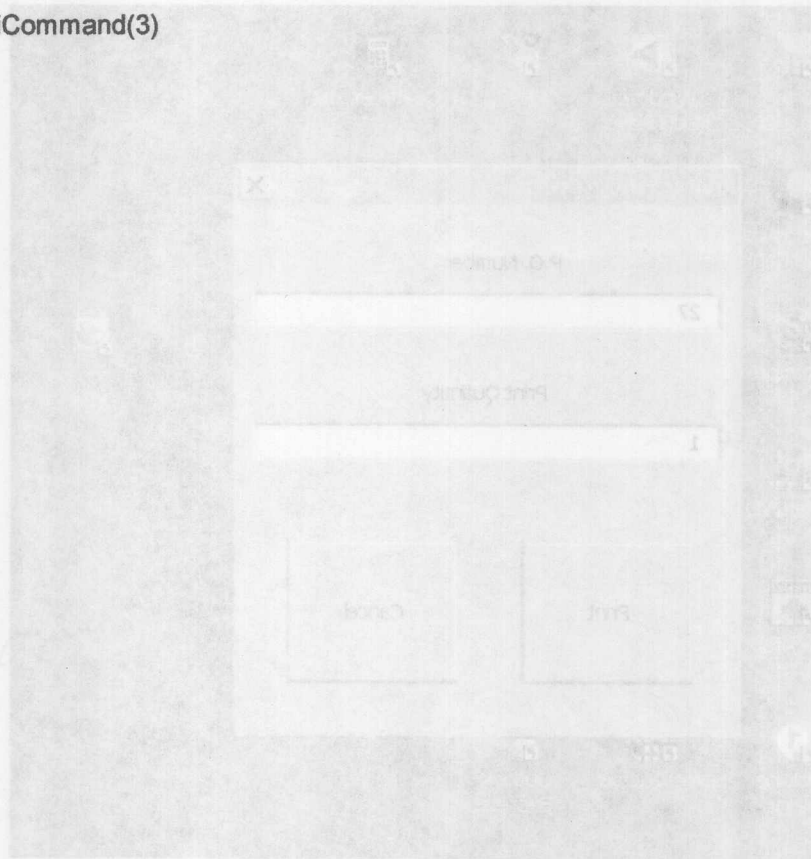

Figure 7: Running the application. Note the workbook icon on the right.

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The code is:
```
Private Sub cmdCancel_Click()
    Me.Hide
    'Unload Application
    Application.Quit
End Sub
```

Find the userform terminate event and add the exact same code as follows:
```
Private Sub UserForm_Terminate()
    Me.Hide
    'Unload Application
    Application.Quit
End Sub
```

Now to consider how to run the application once the **Print** button is clicked:
```
Private Sub cmdPrint_Click()
    Dim intI As Integer

    nNumberOfCopies = -1
    While nNumberOfCopies = -1
      If IsNumeric(txtPONumber.Text) = False Then
        MsgBox "Only numbers please! ", vbOKOnly
        txtPONumber.Text = Range("K8").Value
        'fetch the last value that was printed +1
      Else
        If IsNumeric(txtQuantity.Text) = False Then
          MsgBox "Only numbers please! ", vbOKOnly
          txtQuantity.Text = "1"
        Else
          'fetching the setup values
          nStartingFrom = Round(Val(txtPONumber.Text), 0)
          nNumberOfCopies = Round(Val(txtQuantity.Text), 0)
        End If
      End If
    Wend

    If nNumberOfCopies <> 0 Then
      For intI = 1 To nNumberOfCopies
        Range("K8").Value = nStartingFrom
        Call PrintPO
        nStartingFrom = nStartingFrom + 1
      Next intI
      'save the values in the workbook
      'to prevent the "ARe you sure question
      'when the application closes
      Range("K8").Value = Range("K8").Value + 1
      'saving the next number to be printed
      ActiveWorkbook.Save

    End If

    Me.Hide
    'Unload Application
    Application.Quit
```